11.4

Notice of Allowability	Application No.	Applicant(s)
	10/787,483	KIKUCHI ET AL.
	Examiner	Art Unit
	Yaritza Guadalupe McCall	2859
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>Amendment filed November 15, 2005</u> .		
2. The allowed claim(s) is/are <u>1-29</u> .		
 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 3/19/04 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☐ Examiner's Amenda	e

Application/Control Number: 10/787,483 Page 2

Art Unit: 2859

DETAILED ACTION

In response to Amendment filed November 15, 2005

Reasons for Allowance

- 1. The following is an examiner's statement of reasons for allowance:
 - a. Claims 1 9 are allowable over the Prior Art of Record because it fails to teach or suggest a multi-joint coordinate measuring system comprising a warning indicator that warns a user in response to a determination of an angle between the first and second links, a determination of a distance from a supporting point of the measuring arm to a head point of the measuring arm, and a detection of at least one of first and second conditions, the first condition being that the determined angle between the first and second links exceeds a first value and the second condition being that the determined distance from the supporting point of the measuring arm to the head point of the measuring arm exceeds a second value in combination with the remaining limitations of the claims.

Application/Control Number: 10/787,483 Page 3

Art Unit: 2859

b. Claims 10 - 12 are allowable over the Prior Art of Record because it fails to teach or suggest a multi-joint coordinate measuring system comprising a warning indicator that warns a user in response to a detection of a condition that the shoulder joint provides the second link wit a bending motion beyond a range determined base on the force generated by the counter balance in combination with the remaining limitations of the claims.

- c. Claims 13 16 and 26 27 are allowable over the Prior Art of Record because it fails to teach or suggest a method of controlling measurement by a multi joint coordinate measuring system, the method comprising the step of storing a prescribed value concerning a posture of the measuring arm, the prescribed value having been determined such that a measurement error due to a user action pulling the measuring arm away from the support member would become within an allowable range in combination with the remaining limitations of the claims.
- d. Claims 17 19 and 29 are allowable over the Prior Art of Record because it fails to teach or suggest a method of controlling measurement by a multi joint coordinate measuring system, the method comprising the step of storing a prescribed value concerning a posture of the measuring arm, the prescribed value having been determined such that a measurement error due to a user action moving the measuring arm with a change in the force applied to the measuring arm by the counter balance would become within an allowable range in combination with the remaining limitations of the claims.

Application/Control Number: 10/787,483

Art Unit: 2859

e. Claims 20 - 22 are allowable over the Prior Art of Record because it fails to teach or suggest a multi-joint coordinate measuring system comprising a processor configured to input an angle of each joint of the measuring arm into a formula to produce a three dimensional coordinate corresponding to a position of the probe, the formula including a term for correcting an error due to a change of the force generated by the counter balance in combination with the remaining limitations of the claims.

Page 4

- f. Claim 23 is allowable over the Prior Art of Record because it fails to teach or suggest a method of measuring a three dimensional coordinate by a multi joint coordinate measuring system, the method comprising the step of calculating from the input data a three dimensional coordinate corresponding to a position of the probe, by a formula including a term for correcting an error due to a change of the force generated by the counter balance in combination with the remaining limitations of the claims.
- g. Claim 24 is allowable over the Prior Art of Record because it fails to teach or suggest a multi-joint coordinate measuring system comprising a memory that outputs a prescribed value concerning a posture of the measuring arm, the prescribed value having been determined such that a measurement error due to a user action pulling the measuring arm away from the support member would become within an allowable range in combination with the remaining limitations of the claims.

Application/Control Number: 10/787,483 Page 5

Art Unit: 2859

h. Claim 25 is allowable over the Prior Art of Record because it fails to teach or suggest a multi-joint coordinate measuring system comprising a memory that outputs a prescribed value concerning a posture of the measuring arm, the prescribed value having been determined such that a measurement error due to a user action moving the measuring arm with a change in the force applied to the measuring arm by the counter balance would become within an allowable range in combination with the remaining limitations of the claims.

- i. Claim 28 is allowable over the Prior Art of Record because it fails to teach or suggest a multi-joint coordinate measuring system comprising a warning indicator that warns a user in response to a determination of a distance of the measuring arm's reach and a detection of a condition that the determined distance exceeds a prescribed value in combination with the remaining limitations of the claims.
- 2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 10/787,483

Art Unit: 2859

Conclusion

Page 6

3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Yaritza Guadalupe McCall whose telephone number is (571)272

-2244. The examiner can normally be reached on 8:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Diego F.F. Gutierrez can be reached on (571) 272-2245. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

YGM

January 3, 2006

tza Guadalupe-McCall

Patent Examiner

Art Unit 2859